

## WHAT IS CLAIMED IS:

1. An optical fiber link module comprising:
  - 5 a die carrier having a generally planar edge;
  - at least one optical die disposed on the edge of the die carrier;
  - an input/output connector half having a generally planar surface disposed perpendicularly to the edge of the die carrier, the input/output connector half surface having an input/output connection; and
  - 10 a circuit cable connected between the optical die and the input/output connection.
2. The optical fiber link module of claim 1 wherein the die carrier comprises a ceramic.
  - 15
  3. The optical fiber link module of claim 1 wherein the die carrier comprises aluminum nitride.
  4. The optical fiber link module of claim 1 wherein the die carrier comprises an aluminum nitride ceramic.
    - 20
    5. The optical fiber link module of claim 1 wherein the optical die comprises a laser.
    - 25
    6. The optical fiber link module of claim 1 wherein the optical die comprises a photodetector.

7. The optical fiber link module of claim 1 further comprising an upper fiber connector portion and a lower fiber connector portion connected to the die carrier, the upper and lower fiber connector portions being adapted to receive an  
5 optical fiber.

8. The optical fiber link module of claim 7 wherein the upper fiber connector portion includes at least one fastener accepting hole.

10 9. The optical fiber link module of claim 7 wherein the lower connection portion includes at least one fastener accepting hole.

10 10. An optical fiber link module comprising:  
a die carrier having a generally planar edge;  
15 a multiple array lens disposed on the edge of the die carrier;  
an input/output connector half having a generally planar surface disposed perpendicularly to the edge of the die carrier, the input/output connector half surface having an input/output connection; and  
a circuit cable connected between the multiple array lens and the  
20 input/output connection.

11. The optical fiber link module of claim 10 wherein the die carrier comprises a ceramic.

25 12. The optical fiber link module of claim 10 wherein the die carrier comprises aluminum nitride.

13. The optical fiber link module of claim 10 wherein the die carrier comprises an aluminum nitride ceramic.
14. The optical fiber link module of claim 10 wherein the multiple array comprises a laser.
15. The optical fiber link module of claim 10 wherein the multiple array comprises a photodetector.
16. The optical fiber link module of claim 10 further comprising an upper fiber connector portion and a lower fiber connector portion connected to the die carrier, the upper and lower fiber connector portions being adapted to receive an optical fiber.
17. The optical fiber link module of claim 16 wherein the upper fiber connector portion includes at least one fastener accepting hole.
18. The optical fiber link module of claim 16 wherein the lower connection portion includes at least one fastener accepting hole.

19. An optical fiber link module comprising:  
an optical fiber;  
a ceramic die carrier having a generally planar edge;  
5 a multiple array lens disposed on the edge of the die carrier, the  
multiple array including at least one laser and at least one photodetector;  
an input/output connector half having a generally planar surface  
disposed perpendicularly to the edge of the die carrier, the input/output connector  
half surface having an input/output connection;  
10 a circuit cable connected between the multiple array lens and the  
input/output connection; and  
an upper fiber connector portion and a lower fiber connector portion  
connected to the die carrier, the upper and lower fiber connector portions being  
adapted to receive an optical fiber.

15 20. The optical fiber link module of claim 19 wherein the upper fiber  
connector portion and the lower fiber connector portion each includes at least  
one fastener accepting hole.